

BYTE BANDITS
OF AMERICA

APRIL

1988

TR'S-80 NEWS:

If you haven't noticed the extra computers in the house, then you probably didn't notice the two new family members either. Well, Rebbecca, a 14 year old girl and Tommy, an 18 year old boy, now reside at our house. We also obtained a small gold fish and a cat. Now how much more must we do to make your meeting day complete? If you have observed the Micro Times or the Computer Currents this month, you will see that we are the only TRS-80 Club listed. Yes, I think we have to support the whole Silicon Valley area.

We do need to pay for the new IBM Clone BBS with out of pocket money donations. We filled it with TRSDOS Programs (6 - 8 K Storage). This BBS (408/374-5139) will have information and Programs for the older machines (Model I, III, 4, 4P, and related machines. For the MS-DOS World, the 408/374-3974 BBS World will serve at 300-1200-2400 baud. It will also have the Model 2, 12, and 16 Programs on it.

We also have an older COCO in the house, if you have an operating system and a few disk programs, we can be up and running with that world too. I guess we should be proud to be able to service all the Tandy World.

MODEL 4P MODEM:

"Teltrends" sells an inside Modem board for the Model 4P Computers, 300-1200 baud. It costs \$119.00 and it has all the great functions necessary to be good. Call 714/554-7401 for more info.

TRS LINK:

This is an Electronic News Magazine that can be obtained only by Modem. We will have a copy on our BBS each month. We will probably use some of their news items. All of the magazine is for TRSDOS users. If you wish to obtain the News Magazine yourself, call 215/848-5728 or just download it off of our BBS (408/374-5139). Since we ARC'ed it in order to speed up the transfer, be sure you UNARC it before you try reading it.

TRINTEX:

This is a MS-DOS Computer Service that offers you Personal Services from Grocery Shopping, to Stock Reports, to game playing. The info for this new communications Services is posted in the back of this Newsletter. Should enough MS-DOS people be interested in a demo, we can order my next month's groceries from the DEMO (we will let TRINTEX pay).

This is a new (Compuserve) Service being offered in the area. They insist that only MS-DOS 100% Compatibles will work with this service. So don't buy into it until your machine has sucessfully operated with their equipment.

PLANNING TO BUY A MODEM?

If you are seriously considering about investing in a Modem, there are several certain things you must come to realize. A Modem with compatibility, for example, is a much better choice than an extremely cheap Modem with a poor arrangement.

Some people will tell you to buy an internal Modem. Now the advantages of this is that internal Modems are usually much cheaper and they save space. Also, they don't require the purchase of a Serial Port (RS-232 port).

Other people will advise you to get an external Modem. If, however, you decide to purchase an external, realize that you will be forced to buy the RS-232 Port, unless you happen to own a Grandy TX or HX. This Port will also allow you to use a mouse or any of the other oriented devices.

Which Modem will be best for you? Only you can answer that question, but before you invest in a Modem to be sure to consider all the facts.

PILOT: Programmed Inquiry, Learning, or Teaching.

Teaching:

In the thrill of owning a Computer, with wonderfully good intentions for educational purposes, you will eventually discover some frustrating things.

First of all, educational software is expensive. As you go out and buy a new program about every week you suddenly find that you have spent more on Software than you did on the entire Computer System.

Secondly, no matter how good the program is, you realize that it may not fit your needs. Sometimes, in Programs that are excellent in one feature, you find that another feature is confusing, simply unnecessary, or just not there.

Maybe the computer was to help a child of yours learn simple math. Why then, should you have to learn a complex computer language to help your child learn something like multiplication?

What was needed was a new computer language that was easy to learn, designed specifically for computer aided instruction and was still powerful enough to allow someone to create all kinds of CAI Software. The PILOT Language met those needs.

PILOT is a computer language with its own rules and syntax, but you can learn everything about PILOT in one evening.

This is how PILOT works. The "T" is the letter that tells the computer to print a question, for example, "What is two plus two?" Next the letter "A" tells the computer to wait for the reply. After the reply is given, the "M" asks the Computer to see if the reply matches any of the possible correct answers. If it matches, the Computer is commanded to print the message of "YT", which is: "Sorry, You are wrong." Finally the "E" tells the Computer it's the end of the Program.

The PILOT format should look something like this:

T: What is two plus two?

A:

M: FOUR/Four/four/4

YT: Your answer is right!

NT: Sorry, you are wrong!

E:

HINT FROM A LAZYWRITER FAN USING A MODEL 100 AND MODEL 4/4P

Lazywriter is a word processor still available, which is written on Multidos, or Lazydos (an abbreviation of Multidos) which is a Model III DOS that can read Model 4 files and other TRSDOS files.

Conveniently, David Welsh who wrote Lazywriter, built in a convenient communications program which hooks into the Model III communications system. Thus, if you have a Model 100 you are liberated from your stationary computer and free to write wherever and whenever on your Model 100. Then into telecom with stat 38N1D, attach null-modem, go into Lazywriter and upload your file. All it requires is two toggles from Lazywriter. This combination has proved most convenient for this writer, freeing up Model 100 memory, eliminating the need for other modems and complex protocols. If you require a faster modem for telephone, one can be purchased for the Model 100.

The files transfer into the memory of the Model 4 (upload) or the Model 100 (download) and then are picked up and formatted by Lazywriter, with the exception that paragraph indentation must be inserted. Lazywriter indicates where the paragraphs are. But they can be found by going into Insert mode <I>, getting to the next paragraph <P>, hitting <right arrow> for indent, then <enter>. Repeat this loop for each paragraph.

You will need a Model 4 or 4P, Model 100, null-modem, and Lazywriter Word Processor. Lazywriter can be purchased from Alphabit Communications, Dearborn Michigan or DiskCount Data in Plano, Texas.

-C.H., MD Island Heights, NJ

(Editor) DiskCount Data 2701-C.W. 15th, Suite 612, Plano, Tx 75075, (214) 680-8268 is currently selling Lazywriter for \$109.95

SAM C. BROWN ENTERPRISES

NO JOB TOO SMALL OR TOO SOON

SAM C. BROWN
COMPUTER SCIENTIST

BUS. (408) 379-2774
MODEM (408) 374-3974



STORE #01-9005
3245 STEVENS CREEK BOULEVARD
SAN JOSE, CA 95117
408/249-1722

SALES REPRESENTATIVE: BART

Here is a program that will address an envelope with your return address and then give you the option of setting a five line outgoing address. The

program is written for the Radio Shack DWP 230 and a standard #10 size business envelope. You will have to change to data in lines 210-260 to reflect your name and address. The printer codes in line 200 and 220 may also need to be changed, or eliminated entirely, if you use another printer.

```

10 CLEAR 500:DIM A$(5):CLS
20 FOR X=1 TO 5
30 PRINT"LINE";X;"":LINE INPUT A$(X)
40 NEXT
50 CLS
60 PRINT"THE ADDRESS WILL LOOK LIKE THIS:"
70 PRINT:PRINT
80 FOR X=1 TO 5
90 PRINT TAB(10);X;" ";A$(X)
100 NEXT
110 PRINT:PRINT
120 PRINT"PRESS # OF FIELD TO CHANGE. "
130 PRINT"PRESS <ENTER> TO PRINT"
140 I$ = INKEY$:IF I$ = CHR$(13) THEN 190
150 I = VAL(I$):IF I<1 OR I>5 THEN 140
160 PRINT:PRINT
170 PRINT"NEW LINE":LINE INPUT A$(I)
180 GOTO 50
190 LPRINT" "
200 LPRINT CHR$(27);CHR$(31);
210 LPRINT TAB(4);"JOHN J. DOE";
220 LPRINT CHR$(27);CHR$(32);
230 LPRINT TAB(4);"P.O. BOX 777"
240 LPRINT TAB(4);"LOS ANGELES, CA. 90001"
250 LPRINT TAB(4);"OTHER INFO HERE"
260 LPRINT TAB(4);"OTHER INFO HERE"
270 FOR X=1 TO 7:LPRINT" ":NEXT
280 FOR X=1 TO 5
290 LPRINT TAB(43);A$(X)
300 NEXT
310 FOR X=1 TO 8:LPRINT" ":NEXT
320 CLS
330 PRINT "<A> gain, <N>ew, <Q>uit ";
340 I$ = INKEY$:IF I$ = "A" OR I$ = "a" THEN 50
350 IF I$ = "N" OR I$ = "n" THEN RUN
360 IF I$ = "Q" OR I$ = "q" THEN CLS:END
370 GOTO 340

```

Kenneth Dark
Los Angeles, CA

Word Perfect
Lotus 1-2-3
D-base III

and many others. These cost about \$40.00 each and they are available locally. Call Griffon Computer (408/370-2626) and ask about "Video Professor". These are VCR Tapes only!!

100 READY-TO-RUN BUSINESS PROGRAMS FOR YOUR IBM, APPLE AND TRS-80 (MOD. III/4).

NAME DESCRIPTION

1 RULE78	Interest Apportionment by Rule of the 7's
2 ANNUI	Annuity computation program
3 DATE	Date between dates
4 DAYYEAR	Day of year a particular date falls on
5 LEASINT	Interest rate on lease
6 BREAKVN	Break-even analysis
7 DEPRSL	Straightline depreciation
8 DEPDSY	Sum of the digits depreciation
9 DEPRDB	Declining balance depreciation
10 DEPRDDB	Double declining balance depreciation
11 TAXDEP	Cash flow vs. depreciation tables
12 CHECK2	Prints RAPIDFORMS checks along with daily register
13 CHECKBK1	Checkbook maintenance program
14 MORTGAGEA	Mortgage amortization tables
15 MULTIMON	Computes time needed for money to double, triple, etc.
16 SALVAGE	Determines salvage value of an investment
17 RRVALN	Rate of return on investment with variable inflows
18 RRCONST	Rate of return on investment with constant inflows
19 EFFECT	Effective interest rate of a loan
20 FVAL	Future value of an investment (compound interest)
21 PVAL	Present value of a future amount
22 LOANPAY	Amount of payment on a loan
23 REGWITH	Equal withdrawals from investment to leave 0 over simple discount analysis
24 STAMPSQ	Equivalent & non-equivalent dated values for oblig.
25 DATEVAL	Present value of deferred annuities
26 ANNUDEF	% Markup analysis for items
27 MARKUP	Sinking fund amortization program
28 SINKFUND	Value of a bond
29 BONDVAL	Depletion analysis
30 DEPLET	Black-Scholes option analysis
31 BLACKSH	Expected return on stock via discounts dividends
32 STOCKVAL	Value of a warrant
33 WARVAL	Value of a bond
34 BONDVAL2	Estimate of future earnings per share for company
35 EPSEST	Computes alpha and beta variables for stock
36 BETALPH	Portfolio selection model w/ short stocks to hold
37 SHARPE1	Option pricing computations
38 OPTWHITE	Value of a right
39 RTVAL	Expected value analysis
40 EXPVAL	Bayesian decision
41 BAYES	Value of perfect information
42 VALPRINF	Value of additional information
43 VALADINF	Derives utility function
44 UTILITY	Linear programming solution by simplex method
45 SIMPLEX	Transportation method for linear programming
46 TRANS	Economic order quantity inventory model
47 EOO	Single server queuing (waiting line) model
48 QUEUE1	Cost-volume-profit analysis
49 CVP	Conditional profit tables
50 CONDPROF	Opportunity loss tables
51 OPTLOSS	Fixed quantity economic order quantity model
52 FOUDO	As above but with shortages permitted
53 FOEDOSH	As above but with quantity price breaks
54 FOEOOPB	Cost-benefit waiting line analysis
55 QUEUEQB	Net cash-flow analysis for simple investment
56 NOFANAL	Probability index of a project
57 PROPNRD	Cap. Asset Pr. Model analysis of project
58 CAP1	Weighted average cost of capital
59 WACC	True rate on loan with compensating bal. required
60 COMPBAL	True rate on discounted loan
61 DISCBAL	Mergers analysis computations
62 MERGANAL	Financial ratios for a firm
63 FINRAT	Net present value of project
64 NPV	Lospeyres price index
65 PRINDOLAS	Poachols price index
66 PRINDPA	Constructs seasonal quantity indices for company
67 SEASIND	Time series analysis linear trend
68 TIMETR	Time series analysis moving average trend
69 TIMEMOV	Future price estimation with inflation
70 PURFINF	Mailing list system
71 MAILPAC	Letter writing system-links with MAILPAC
72 LETWRIT	Sorts list of names
73 SORT3	Shipping label maker
74 LABEL1	Name label maker
75 LABEL2	Complete business bookkeeping system
76 BUSBUD	Computes weeks total hours from timclock info.
77 TIMECLK	In memory accounts payable system-storage permitted
78 ACCTPRT	Generate invoice on screen and print on printer
79 INVOICE	In memory inventory control system
80 INVENT2	Computerized telephone directory
81 TELDIR	Time use analysis
82 TIMUSAN	User of assignment algorithm for optimal job assign
83 ASSIGN	In memory accounts receivable system-storage ok
84 ACCTREC	Computes 3 methods of repayment of loans
85 TERMSPAY	Computes gross pay required for given net
86 PAYNET	Computes selling price for given after tax amount
87 SELPRV	Arbitrage computations
88 ARBCOMP	Sinking fund depreciation
89 DEPRSF	Finds UPS zones from zip code
90 UPSZONE	Types envelope including return address
91 ENVELOPE	Automobile expense analysis
92 AUTOEXP	Insurance policy file
93 INSPFILE	In memory payroll system
94 PAYROLL2	Dilution analysis
95 DILANAL	Loan amount a borrower can afford
96 LOANAFFD	Purchase price for rental property
97 RENTPRCH	Sale-leaseback analysis
98 SALELEAS	Investor's rate of return on convertible bond
99 RACOMWBD	Stock market portfolio storage-valuation program
100 PORTVAL9	

\$99.95

100 SUPER PROGRAMS FOR YOUR IBM, APPLE AND TRS-80 (MOD. III/4)

BUSINESS AND PERSONAL FINANCE

- 1 Checkbook maintenance
- 2 Time for money to double
- 3 Federal FICA & withholding tax
- 4 Home budget analysis
- 5 Annuity computation
- 6 Unit pricing
- 7 Change from purchase
- 8 RAPIDFORMS check printer
- 9 Days between dates
- 10 Mortgage amortization table
- 11 Inventory control
- 12 Portfolio value computations
- 13 Value of a share of stock
- 14 Sales record keeping system
- 15 Future value of an investment
- 16 Effective interest rate (loan)
- 17 Present value of a future amount
- 18 Rate of return-variable inflow
- 19 Rate of return-constant inflow
- 20 Regular withdrawal from investment
- 21 Straight line depreciation
- 22 Sum of digits depreciation
- 23 Declining balance depreciation
- 24 Break even analysis
- 25 Salvage value of investment
- 26 Payment on a loan
- 27 Future sales projections
- 28 Credit card file
- 29 Economic order quantity (EOQ) inventory model
- 30 Value of house contents
- 31 Text editor
- 32 Monthly calendar
- 33 Day of week
- 34 Cash flow vs. depreciation
- 35 Complete mail system
- 36 Interest rate on a lease

STATISTICS AND MATHEMATICS

- 37 Random sample selection
- 38 Anglo-metric conversion
- 39 Mean, standard deviation, max. and min.
- 40 Simple linear regression
- 41 Multiple regression analysis
- 42 Geometric regression
- 43 Exponential regression
- 44 Simple moving average
- 45 Simple T-test
- 46 Chi-square test
- 47 Normal probabilities
- 48 Binomial probability
- 49 Poisson probability
- 50 Matrix addition and subtraction
- 51 Matrix transpose
- 52 Matrix inverse
- 53 Matrix multiplication
- 54 Solution of simultaneous equations
- 55 Quadratic formula
- 56 Linear equation solutions
- 57 Root half interval search
- 58 Roots of polynomials
- 59 Roots-Newton's methods
- 60 Prime factors of integer
- 61 Least common denominator
- 62 Radian-degree conversion
- 63 Numerical integration
- 64 Quick sort routine
- 65 Program storage index
- 66 Multiple choice quiz builder
- 67 Form letter writer
- 68 Shell sort
- 69 Cassette label maker
- 70 Codes messages

- 71 Merge two files
- 72 Sort with replacement

GRAPHICS

- 73 Draws bar graph
- 74 Draws histogram
- 75 Moving banner display
- 76 Random sports quiz
- 77 Government quiz
- 78 Horse race
- 79 Magic square
- 80 Arithmetic teacher
- 81 High low gamble
- 82 Unscramble letters
- 83 Hangman
- 84 Game of NIM
- 85 Russian roulette
- 86 Roulette game
- 87 One-armed bandit
- 88 Hit the target
- 89 Walking drunk
- 90 State capital quiz
- 91 Tic-tac-toe
- 92 Dice game
- 93 Lunar lander game
- 94 Biorthym
- 95 Horse selector (class calculator)
- 96 Random dice roll
- 97 Random roulette roll
- 98 Random card dealer
- 99 Guess the number
- 100 White out screen

\$99.95

COMPUTRONICS:

COMPUTRONICS:
46C ROUTE 303, VALLEY COTTAGE, NY 10589
(914) 268-8866

24 HOUR TOLL-FREE ORDER LINES

1-800-431-2818

ALL PRICES AND SPECIFICATIONS SUBJECT TO CHANGE/DELIVERY SUBJECT TO AVAILABILITY

30-DAY MONEY BACK GUARANTEE

- A00 APPROPRIATE SHIPPING CHARGE (see centerfold)
- UPS, US MAIL, COD and OVERNIGHT DELIVERY AVAILABLE

GLOBAL COMMANDS

Move cursor to the point where the string search is to begin:
REPLACE: <BREAK> R (old string) <ENTER>

DELETE: <BREAK> D (string) <ENTER>

FIND: <BREAK> F (string) <ENTER>

NEXT FIND: <BREAK> F <ENTER>

Can be combined with REPEAT commands. REPEAT with FIND gives the total number found. The question mark is a wild-card search mask in FIND.

HEADERS and FOOTERS

Open by typing <Q Q>, then type H for Header or P for Footer. Continue with Q for Odd, E for Even, or S for all pages. Then type the format instructions and close the line with <ENTER>. Type the actual text lines. The last line must be terminated with <ENTER>. Close the block with <Q Q> <Q Down-arrow>.

HYPHENATION

1. Set screen width equal to that set in the format line.
2. Position cursor at left edge of line, press <Q Q> <->.
3. Move cursor to end of last line, press <Q Q> <Q Down-arrow>.
4. Type <BREAK> <-> <ENTER>.
5. Type a number to define hyphenation range; press <ENTER>.
6. The cursor appears at the first hyphenation location.
7. Move cursor where desired; if no hyphen desired press <ENTER>, otherwise press <->. Repeat as required.
8. To remove hyphens: Type <BREAK> <-> <ENTER>. Answer message by typing 2. Press <CLEAR> when cursor moves.

INSERTING TEXT

Insert Character

<QS> (character)
<QS><QX> (type text)
and then <CLEAR>
<QS><Q> (block name)

Insert a Block
Inserting Text Boundary Markers
<ENTER> or <Q X>

Force End of Line

New Paragraph

New Page

Load and Chain:

Load/Chain Tape:

<BREAK> L (space)(document name)<ENTER>
<BREAK> L<ENTER>
<BREAK> L,T<ENTER>
<BREAK> L,S<ENTER> (M3 for M1 tapes)
<BREAK> L,C (space)(document name)<ENTER>
<BREAK> L,T,C

ACROSS

Chain files which contain your print formats, your embedded pagination in headers and/or in footers, your boilerplate, etc.; each within its own labeled block so you can <QS><Q> it.

MARKERS

Text Boundary Markers
Force End of Line <ENTER> or <Q X>

New Paragraph

New Page

Copy Markers mark off text for selective printing. Insert a copy marker after a boundary marker by typing: <BREAK> C <ENTER>

PAGE NUMBERING

Usually within a Header or Footer. Open the page block by typing <Q Q>, then type <QC> to start a new paragraph. To set the number of indent spaces at the beginning of a paragraph, type: <BREAK> I=(any # from 1 to 133) <ENTER>. Type P for Page. Continue with up to five pound signs (#) to represent desired digits. Close the block with <Q Q> <Q Down-arrow>.

PARAGRAPHS

Press <QC> to start a new paragraph. To set the number of indent spaces at the beginning of a paragraph, type: <BREAK> I=(any # from 1 to 133) <ENTER>.

PRINTING TEXT

Basic Print Command	<BREAK> P <ENTER>
To Serial Printer	<BREAK> P,S <ENTER>
Pause Between Pages	<BREAK> P,P <ENTER>
Print Unformated Text	<BREAK> P,I <ENTER>

QUERY DOCUMENT INFORMATION

Video Line Width	<BREAK> ?W <ENTER>
Para.Indent Setting	<BREAK> ?I <ENTER>
Document Line Number	<BREAK> ?C <ENTER>
Document Length (in bytes)	<BREAK> ?L <ENTER>
Available Memory (in bytes)	<BREAK> ?M <ENTER>
Document Name	<BREAK> ?N <ENTER>

REPEAT COMMAND

Commands may be repeated up to 255 times automatically. Type <QR> and then any number from 2 to 255 and <ENTER>. Then type the command and it will be so repeated. Use with Global Commands to replace, find, or delete all instances of a string. Use with Arrow keys go relative to a location.

COPY : THIS

There are more copies of Scriptit than Scriptit Manuals, Scriptit Audio Training Tapes, Scriptit Quick Reference Cards, or Scriptit Stick-On Keyboard Labels, Horatio. But truth will out, though the ravages of time make havoc and let slip the fogs of Tandy as a shroud upon a slunk king, yet they shall pass. For the truth is always beautiful: Eric's Quick Guide To The Guts of Scriptit is come of hacker sitz fleisch! The well-met word-whizzer performance must needs meet, make do, and wing it with this hand now and always.

SAVING TEXT

Save Document <BREAK> S(space)filename)<ENTER>
Update Document <BREAK> S<ENTER>
Save to Tape <BREAK> S,T<ENTER>
Save in ASCII Format <BREAK> S,A(space)filename)<ENTER>
Verify Tape Save <BREAK> V<ENTER>

SPECIAL CHARACTERS: Model I/III

Hold down Y and Hold down Y and
press: 13 for [press: 13 for [
14 for \ 14 for \]
15 for] 15 for]
16 for ^ 16 for ^
17 for (unprintable) 17 for -

Press <SHIFT><0> for @

SPECIAL CHARACTERS: Model 4

The special characters are produced by pressing <CLEAR> or <SHIFT-CLEAR> and
'/' or '-' to produce [], \ and []. The underline character is produced by
pressing <CLEAR><ENTER>. The Model I/III mode procedures can also be used.

TAB CONTROL

Clear All Tabs <BREAK>T<ENTER>
Clear One Tab <BREAK>TC<ENTER>
Set Several Tabs <BREAK>T=(#,#,#,#,#,...)<ENTER>
Set One Tab <BREAK>TS<ENTER>
Move to Tab <@><RIGHT-ARROW>

UPPER CASE LOCK

In the Model I/III, the upper case or caps lock is toggled by pressing
<SHIFT><Q>. The Model 4 uses the <CAPS> key.

The Control key is shown as @, even though Model 4 uses <CLEAR> for Control.

BLOCKS

To open a block, type <@ Q>, followed by a one-letter name. The letters P,
M, and F are reserved for Page number, header, and Footer blocks,
respectively. To close a block, type <@ Q> <@ Down-arrow>. See INSERT,
DELETE, EXCHANGE.

COMMENT LINE

Create a non-printing line by typing >* at the left margin. End the line
with <ENTER>. When printed, the text on this line will not be visible but
the page will show a line-feed here.

DELETION

Character	<@ D>
Word	<@ D><@ Z>
Sentence	<@ D><@ X>
Paragraph	<@ D><@ C>
Blanks	M/I/III=<CLEAR> M4=<SHIFT-CLEAR>
Block	<@ D><@ D>
Unmark block	<@ D><@ U>
To end of text	<@ D><@ Down-arrow><Y>

ESCAPE

From any command in Model I/III = <CLEAR>; Model 4 = <SHIFT-CLEAR>. From Scriptit <BREAK> END<ENTER>. From boredom = <@ R><ENTER><@ D>.

EXCHANGING TEXT

WORDS: Put cursor on second word and type: <@ E><@ Z>
PARAGRAPHS: Put cursor on second paragraph and type: <@ E><@ C>
BLOCKS: Put cursor on block marker and type: <@ E><@ Q>

FORMAT LINES

Instruction	Default	Range	Instruction	Default	Range
Page Length	PL=66	1-90	Flush Right	FR=N	Y or N
Left Margin	LM=12	0-131	Vertical Ctr.	VG=N	Y or N
Right Margin	RM=72	1-132	Starting Pg #	PN=1	1-65535
Top Margin	TM=6	1-89	Widow Suppress	WS=Y	Y or N
Bottom Margin	BM=60	2-90	Leader On	H=Y	Y or N
Line Space	LS=1	1-90	starting page	H=1	1-65535
Par. Space	PF=1	1-90	beg. Odd/Even	II=0	0 or E
Justify	J=Y	Y or N	Footer On	F=Y	Y or N
Center	C=N	Y or N	starting page	P=1	1-65535
Print Text	P=Y	Y or N	beg. Odd/Even	E=0	E or O

For another free copy of

Eric's Quick Guide To The Guts Of Scriptit
send a stamped self-addressed envelope to
Box 9747, North Hollywood CA 91609.

1988

ELECTRONICS

1988

SWAP MEET

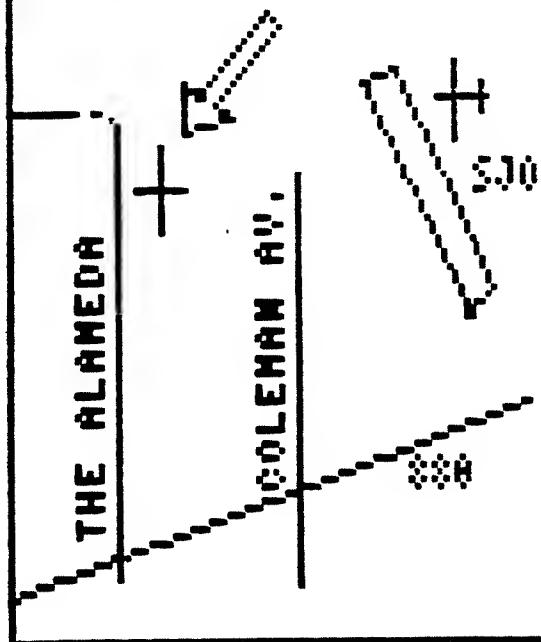
**FREE
TO SELLERS
AND BUYERS**

1ST SAT. EACH MONTH..

MAR. 5	APR. 2	MAY 7	JUN 4
JUL. 2	AUG. 6	SEP. 3	OCT. 1
NOV. 5	DEC. 3		

**IN THE PARKING LOT
AT 3490 THE ALAMEDA
IN SANTA CLARA, CA.
FOR MORE INFO CALL
408-984-6300 5-7PM
TUE/FRI.**

**EMPTY OUT THAT HAM
SHACK, COMPUTER ROOM
GARAGE, STORE ROOM
XXXXXXXXXXXXXX
NOT HELD IF IT RAINS..**



around with TRSDOS 1.3

by Lance Wolstrup

Model III TRSDOS 1.3 - Editor Assembler

CATTING around with LDOS 5.1.4. (January 1988) received a lot of favorable mail. One letter, however, struck a chord when it politely reminded me that not all TRS 80 owners have ventured beyond TRSDOS 1.3.

The letter went on to say that "TRSDOS 1.3 deserves a CAT command just as much as the fancy DOS'es. Do all of us 1.3. diehards a favor and give us one."

That sounded like a reasonable request, so I dusted off my TRSDOS manual and sat down to brush up on the inner workings of our 'parent DOS'.

Almost immediately I found a documented DOS routine that seemed like it ought to do the job. The routine is called \$DSPDIR and begins at 4419H.

The manual gave the following conditions:

(X'4271) = ASCII coded drive number "0","1","2", or "3"

CALL \$DSPDIR

All registers are changed on exit.

That seemed easy, so I wrote a short program to do just that. I LoaDed register A with 30H, which is the ASCII code for 0, and then LoaDed memory location 4271H with the contents of the A register. Then I CALLED 4419H. Simple! Nothing to it! Piece of cake, right?

WRONG!! When I ran the program, instead of a nice CATALOG display, I got a screen full of garbage. Having written one or two programs in the past that didn't work perfectly the first time, I knew it was DEBUGGING time.

Listing the program revealed nothing. The instructions from the manual had been followed verbatim.

I tried several other ways of coding the instructions and all met with the same result: No CATALOG and garbage galore on the screen. This was getting frustrating, but I knew it had to be possible. After all, CMD"D:dn" from Basic produces a CATALOG.



Suddenly it dawned on me that maybe the manual was wrong. Did they forget to tell us that another register needed a specific value on entry to \$DSPDIR? Well, it was worth a try.

I added a line that LoaDed register B with 0 and ran the program. No garbage; instead drive :0 made one of those long, painful noises that immediately makes one frantically press the orange RESET button. I concluded that register B should definitely NOT contain 0.

Maybe register C would produce better luck, so I changed the line to read LD C,0 and ran the program.

VOILA!! Right in front of my very eyes was the prettiest CATALOG ever seen on a Model III running TRSDOS 1.3.

Nothing is as satisfying as success after failure.

CAT/CMD for TRSDOS 1.3 can be used by typing CAT :drivernumber from DOS, where drivernumber is valid drive 0 - 3.

CAT/CMD

00100	ORG	7000H
00110	START	LD C,0
00120	LD	A,(HL)
00130	CP	58
00140	JR	NZ,QUIT
00150	INC	HL
00160	LD	A,(HL)
00170	CP	34H
00180	JR	NC,QUIT
00190	LD	(4271H),A
00200	CALL	4419H
00210	QUIT	RET
00220	END	START

BYTE BANDITS OF AMERICA

TRS-80 COMPUTER CLUB

780 Manx Ave. 95008
Campbell, CA.

CLUB SERVICES

To those who are contemplating membership, or renewal, of your membership, these Club Services are yours to use throughout the year.

Dues of \$25.00 per year (Jan.-Dec.) are required. Make checks payable to "Robert W. BROWN" (TP: 408/379-2774)

INFORMATIONAL SERVICES

The Club Headquarters is available every day for those who require help in Programming, Hardware Installation, or Consultation. Each person's problems are a priority and they are treated with care.

REPAIR SERVICES

The Club's Membership has repair oriented personnel capable of repairing, modifying, or up-grading all the Club's assortment of Computers. These repair personnel do quality work for a very modest cost. They are reliable and knowledgeable in the earliest and latest model computers.

ARCHIVES LIBRARY

The Club maintains a library of Programs and Documentations for the TRS-80 Tandy machines. These may be used by request. As this is a private collection, it's Programs are NOT to be sold or bartered.

PROGRAM OF THE MONTH

Each month the Club buys a Program for the Computers used by the Club. It is evaluated by members that have an interest in that Program. This Program is usually shown at the 4th Wednesday of the Month Meetings.

BOOK OF THE MONTH

The Club is active in a Computer Book Club in which a hard cover book is obtained each month for the Club Membership. These books can be checked out for 30 days. Monthly magazines are also included in this category:

- 80 Micro
- P.M.C.
- Portables
- Computer Shopper
- Assorted Retail Catalogs monthly
- PC World

BULLETIN BOARD

Posting of messages - Programs transfer, along with postings of other Club services and events. Free to everyone. For learning of your Modem, or for buying or selling of equipment. The BBS is designed for all types of equipment. It is on-line 24 hours - 7 days a week - 300-1200 baud. Ph # 408/379-3139

CLUB'S MS-DOS COMPUTER

This Computer runs the Club's BBS System. It contains an assortment of (cards) for modifying, transferring, and repairing of Programs. It has an assortment of MS-DOS Programs and Public Domain Software for Club members to use for special purposes (by appointment). The machine stays at my home ALWAYS, and individuals may use it there. It contains an EGA COLOR SYSTEM plus:

20 Meg Hard Disk	(2) 300-1200 baud Modems
3.5" Disk Drive	(2) 5&1/4" Disk Drives
PC Mouse	640K Memory
8 Serial Ports	8 Mhz Speed-up Mod. (Turbo)
Joy Stick	PC Copy Option Board
Dot Matrix Printer	2 Weber Packet Radio System

This machine is shared with the Gavilan User Group and Sam C. BROWN Ent.

MONTHLY NEWSLETTER

The articles are selected from the many publications the Club receives, plus commentaries from the Club Director and the membership.

NOTORIETY

Our Club has obtained fame Nationally-Internationally-as well as locally. This in itself is an honor for all of us. Our help to others is well known throughout the World. The Club is over 5 years old and is servicing all TRS-Tandy Computer Systems listed:

Model	Tape-Stringy-Disk-Hard Disk
" I	Home-Business
" II	Home-Business
" IV	Business-House
" V	Business-House
" VI	Business-House
" 12	Business-House
" 16	Business-House
IBM MS-DOS Machines	Home-Business
RadioShack	Home-Business
PC World	100-200-600-1400
Pocket Computers	I thru 6

NATIONAL SERVICES

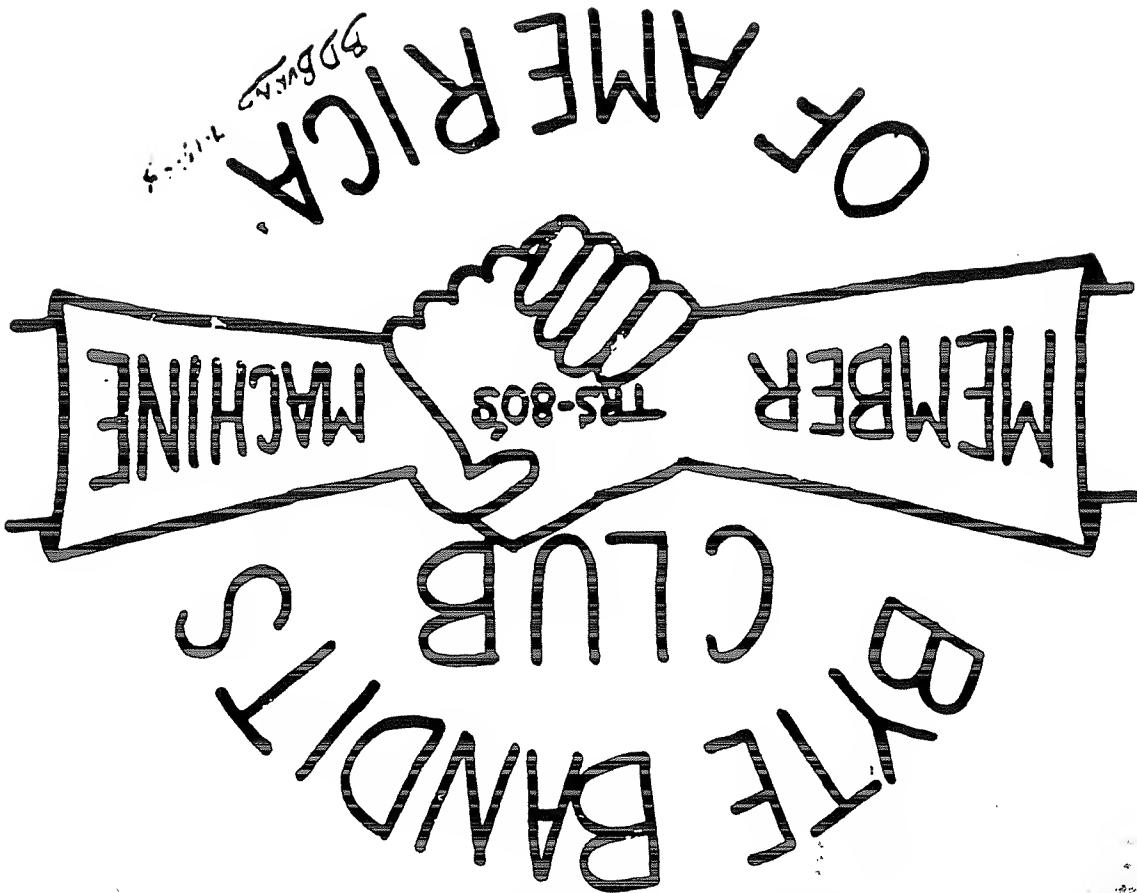
For those of you who live outside the Club's local boundaries, the Club will service you as you desire, or need, assistance. Your Membership provides the same services as local members. Mailing costs, etc. will be your responsibility. Feel free to use the Club Services and call, or write, as you wish.

CLUB STATUS

The Club is a private Club. It has no Tax Free Status. The liabilities of the Club are the responsibility of the Club Director. No individual members will represent the Computer Club without prior approval of the Club Director.

Sincerely,

R. W. BROWN
Club Director



Byte Bandits of Amer.
TRS-80's Computer Club
780 Mainz Ave.
Campbell, CA 95008

